



**SANYO**

**SANYO  
STEREO TURNTABLE  
TP 1000  
SERVICE MANUAL**



## SPECIFICATIONS

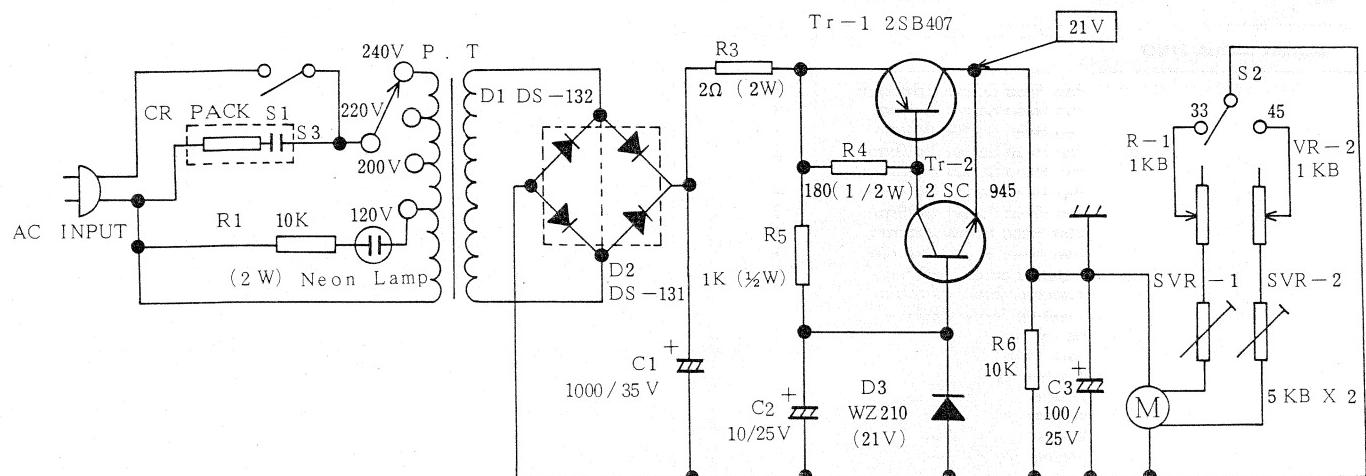
<b>Motor</b>	DC brushless motor	<b>Tracking force range</b>	0 - 3g
<b>Drive system</b>	Direct drive	<b>Cartridge</b>	Magnetic stereo cartridge
<b>Speeds</b>	33-1/3 and 45 rpm	<b>Stylus</b>	0.5 mil diamond stylus
<b>Speed control range</b>	Individual controls: ±3%	<b>Frequency response</b>	20 - 25,000 Hz
<b>Wow &amp; flutter</b>	Less than 0.03% WRMS	<b>Channel separation</b>	Better than 25 dB
<b>Signal-to-noise ratio</b>	Better than 60 dB	<b>Power source</b>	AC 120, 200, 220, 240V, 50/60Hz
<b>Turntable platter</b>	13-3/8" (34 cm) dia.	<b>Power consumption</b>	10W
<b>Tone arm</b>	4 lbs. 7 ozs. (2.0 kg)	<b>Dimensions</b>	19-3/8" (W) x 7-5/16" (H) x 15-3/4" (D) (492 x 186 x 400 mm)
<b>Tracking error</b>	Static-balance type, S-shaped ±1°	<b>Weight</b>	18 lbs. 11 ozs. (13.0 kg) Approx

## PARTS LIST

Key. No.	Part No.	Description	Q'ty
<b>PACKING</b>			
	141-6-144T-16700	Styrol Filler, Set & Dust Cover	2
	141-6-144T-17000	Styrol Filler, Compartment Case	1
	141-6-316T-57800	Pad, Turntable	1
	141-6-316T-57900	Pad, Turntable	1
	141-6-316T-58000	Pad, Motor Fixer	1
	141-6-132T-51100	Individual Carton	1
		Ribbon 12x300mm, Arm & Output Cord Fixer	2
	141-6-316T-58700	Pad, Turntable	2
	141-6-316T-62500	Pad, Compartment	1
	141-6-411T-62900	Instruction Booklet	1
	141-6-472T-05603	Caution Label, Voltage (240V) Indicate	1
		Polyethylene Bag 430x520x350mm, Set	1
		Polyethylene Bag 370x400mm, Turntable Rubber Sheet	2
		Polyethylene Bag 490x100x490mm, Outer Dust Cover	1
		Polyethylene Bag 60x150mm, Power Supply & Output Cord	2
		Polyethylene Bag 240x350mm, Inst. Book	1
		Polyethylene Bag 100x100mm, Oil Case	1
		Polyethylene Bag 200x450x800mm, Inner Dust Cover	1
		Polyethylene Bag 100x100mm, Cartridge	1
	141-6-113T-38803	Outer Carton	1
<b>ACCESSORY</b>			
	141-0-197T-01191	Oil Case Assembly	1
	4-235R-11801	Adaptor, England 2 Pin Type	1
	4-235R-11802	Adaptor, Siemense 2 Pin Type	1
<b>CABINET</b>			
	141-0-121T-10891	Deck Panel Assembly	1
	141-0-118T-00191	Turntable Assembly	1
	141-0-135T-29991	Dust Cover Assembly	1
	141-2-126T-11700	Back Lid	1
	141-2-246T-06100	Sheet, Turntable	1
	141-0-156T-00200	Cup Knob Assembly, Speed Select	2
	141-0-156T-00300	Cup Knob Assembly, Power SW	1
	4-612T-04791	Strobo Lamp Assembly	1
	141-0-174T-03391	Stand Assembly	4
	141-2-251T-05900	Hinge, Cover mtg.	2
	141-2-163T-18600	Rotary Knob, Speed Control	2
	141-2-122T-09102	Front Panel, Arm mtg. Board	1
	141-2-352T-08100	Spacer, Adaptor	1
	141-2-421T-13400	Special Screw, Front Panel mtg.	4
	141-2-361T-10000	Bracket, VR mtg.	1
	141-2-251T-06000	Hinge, Cover Opener	2
<b>ELECTRICAL PARTS</b>			
	141-2-274T-01300	Bracket, Stand mtg.	1
	141-2-365T-23400	Bracket, Power Switch mtg.	1
	141-2-246T-06400	Sheet, Dust Cover	1
	141-2-421T-13800	Special Screw, Bracket Resistor	4
	141-2-445T-05000	Rubber Cushion, Bracket Resistor	4
	141-2-445T-14300	Rubber Cushion, Output Cord Fixer	1
	141-2-289T-01600	Adhesive Film, Dust Cover	4
	141-2-461T-20700	Pipe, PT mtg.	2
	141-2-371T-06000	Bracket, PT mtg.	1
	123-2-445R-01600	Rubber Cushion, PT mtg.	2
	141-2-411T-03900	Plate Nut, PT mtg.	2
		Adhesive Tape UL 12x100mm, Deck Panel	1
	141-2-441T-04800	Felt Cushion, Motor mtg.	2
	141-0-718T-00600	Arm Assembly	1
	141-0-367T-25291	Bracket Assembly, Socket	1
<b>PRINTED CIRCUIT BOARD</b>			
	4-226T-60099	Printed Circuit Board Assembly	1
	4-222T-30700	Variable Resistor 5KB, Speed Control	2
R3	141-2-368T-08200	Resistor 2Ω 2W	1
Tr1		Heat Sink	1
Tr2		Transistor 2SB407	1
		Transistor 2SC945	1
D1		Diode DS131	1
D2		Diode DS132	1
D3		Diode WZ210	1
C1		CAPACITORS	
C3		Electrolytic 1000μF 35WV	1
C2		Electrolytic 100μF 25WV	1
		Electrolytic 10μF 25WV	1
R4		RESISTORS	
R5		Solid Type 180Ω ±10% 1/2W	1
R6		Solid Type 1KΩ ±10% 1/2W	1
		Carbon P Type 10KΩ ±10% 1/4W	1

NOTES: 1. Part orders must contain Model Number, Part Number and Description.  
 2. Unless otherwise noted, component parts indicated by parentheses in the column Q'ty are not available.  
 3. Ordering quantity of screws and/or resistors must be multiple of 10 pcs.

## **SCHEMATIC DIAGRAM**

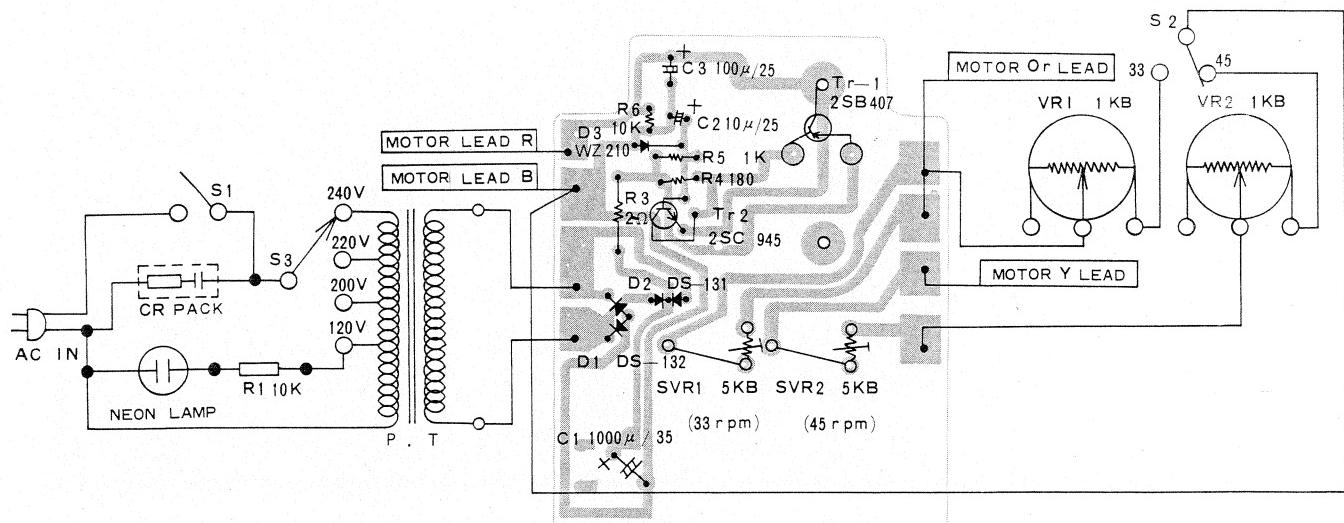


S 1 Power SW

S 2 33-45 rpm Changing SW

### S 3 Voltage selector

## WIRING DIAGRAM



**PARTS LIST**

Key. No.	Part No.	Description	Q'ty
<b>SCREW MOUNTING</b>			
		Pan Head Screw 2.6x6mm	2
		Pan Head Screw 3x6mm	3
		Pan Head Screw 3x8mm	8
		Pan Head Screw 3x10mm	2
		Pan Head Screw 4x10mm	2
		Pan Head Screw 4x14mm	4
		Pan Head Screw 4x20mm	2
		Flat Head Screw 3x8mm	4
		Flat Head Screw 4x8mm	4
		Tapping Screw 3x8mm	17
		Tapping Screw 4x10mm	3
		Tapping Screw 3x6mm	2
		Nut 4mm	2
		Nut 3mm	3
		Washer 4mm	4
		Washer 3x10x0.5mm	1
		Washer 3x10x1mm	2
		Washer 3x8x0.5mm	1
		Washer 4x16x1mm	2
		Spring Washer 3mm	3
		Spring Washer 4mm	6
		Fiber Washer 3.3x8x0.5mm	3

**SANYO ELECTRIC TRADING CO., LTD  
SANYO ELECTRIC CO., LTD.  
OSAKA, JAPAN**

# MODIFICATION NOTICE

## STEREO TURNTABLE

Chassis Nos. \_\_\_\_\_  
Serial Nos. \_\_\_\_\_  
Run Nos. \_\_\_\_\_  
Date \_\_\_\_\_

Date Aug. 10, 1976      Issued by M. Mitani



TP 1000, TP 1000E

The following corrections should be made in the SERVICE MANUALS and PARTS (PRICE) LIST.

The following change has been made regarding the cartridge for the Model TP-1000 stereo turntable.

Cartridge with stylus                  4-157T-00300 (MG25L)  
  ↓  
  4-157T-00500 (MG26L)

The styluses of these cartridge models are not interchangeable with each other. Note, therefore, the following instructions:

- (A) When the MG25L cartridge is provided on the tonearm, use only the ST25D stylus.
- (B) When the MG26L cartridge is provided on the tonearm, use only the ST26DL stylus (4-156T-00100).

REASON .....C

Production changes effective with 201st unit.

### REASON FOR MODIFICATION

A .... Standardization      C .... Improvement of reliability      E ....  
B .... Change of materials      D .... Improvement of performance

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